

STATINTL

Approved For Release 2000/05/10 : CIA-RDP78B04747A000100120024-2

Approved For Release 2000/05/10 : CIA-RDP78B04747A000100120024-2

- D-19
HTA-5
13 Nov

Head by HS
13 November

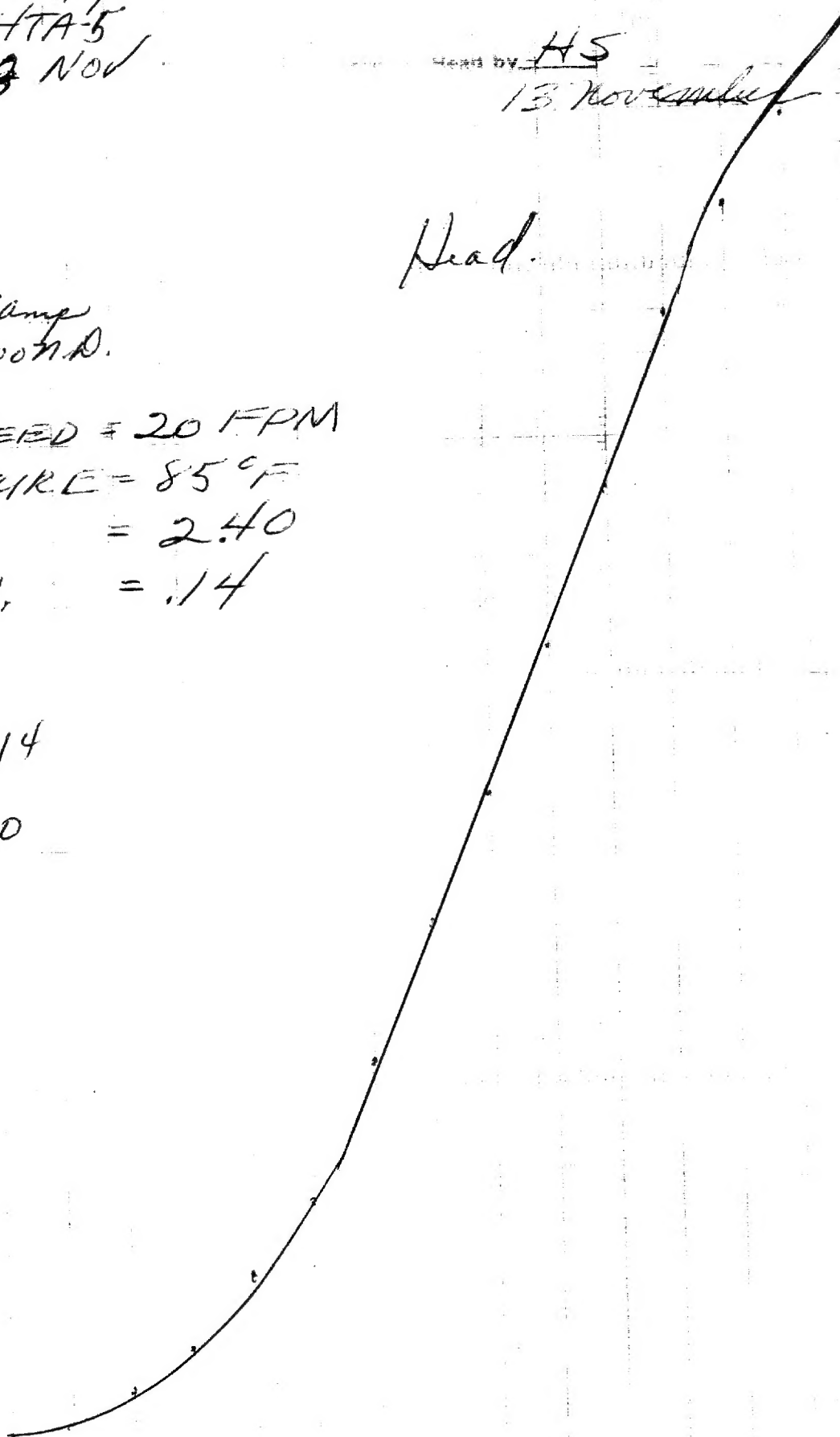
Emul.: 8402
printed @ .655 amp
with 2.00 N.D.

Head.

MACHINE SPEED = 20 FPM
TEMPERATURE = 85°F
ANIMA = 2.40
BASE DEN. = .14

Base = .14

t = 2.40



Step #	D-19 8402				
	Strip #1	Strip #2	Strip #3	Strip #4	Strip #5
1	3.60				
2	3.38				
3	3.16				
4	2.89				
5	2.47				
6	2.08				
7	1.72				
8	1.41				
9	1.07				
10	1.72				
11	.55				
12	.36				
13	.27				
14	.18				
15	.16				
16	.14				
17	.14				
18					
19					
20					
21					

4TH-5
D-19
6 Nov 63

6 Nov 63

Film used: 50 8401

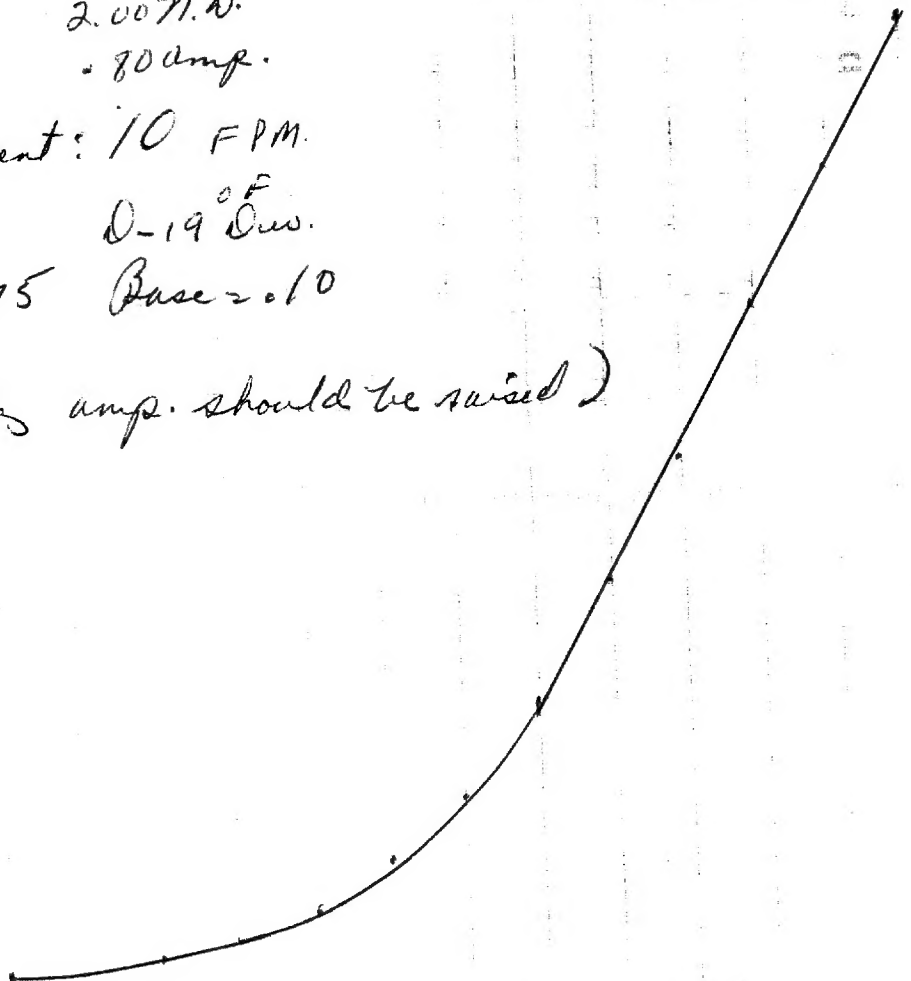
Exposure: M-101 Sensitometer
1/5 Sec.
2.00 M.D.
80 amp.

Development: 10 FPM.

D-19^{0F} Dev.

to 1.75 Base = .10

(printing amp. should be raised)



D-19
HTH-5
6 Nov

16 Nov 63.

Film used: Kodak Super XX (SO 5425)

Exposure: M-101 densitometer

$\frac{1}{5}$ Sec.

2.00 M.D.

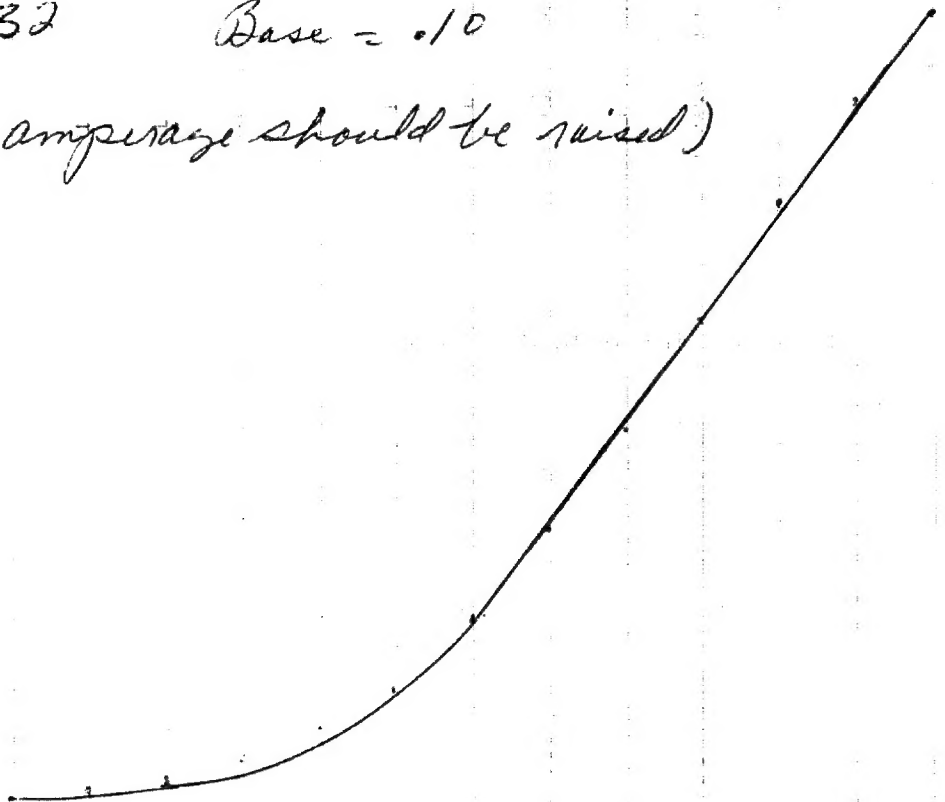
.80 amp.

Development: 10 F.P.M.

D-19^{°F.} Dev.

$t = 1.32$ Base = .10

(printing ampersage should be raised)



[illegible]

50-278

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M101

HTA-5

0230

.2

2 NOV 63

STATOTHR

2 NOV 63

50 278
.10 ND
.85 AMP
D-19 OFU
5 FPM
68 ° F

$\gamma = 1.80$

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50-8402

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M101

HTA-S

0230

.2

2 NOV 63

STATOTHR

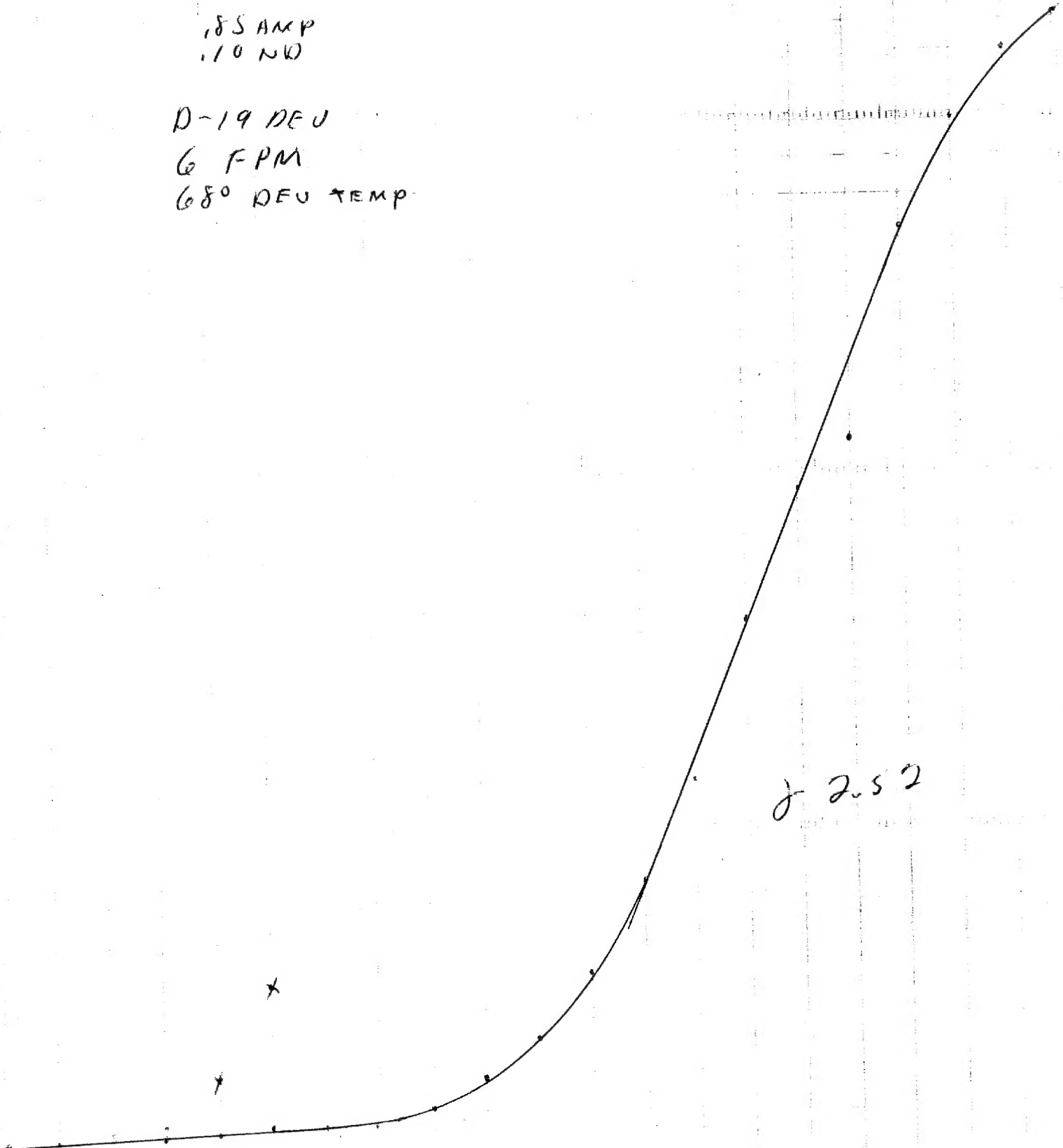
2 NOV 63

.85 AMP
.10 NW

D-19 DEU

6 FPM

68° DEU TEMP



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50-278

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HTA-5

0130

STATOTHR

12
2 NOV 63

2 NOV 63

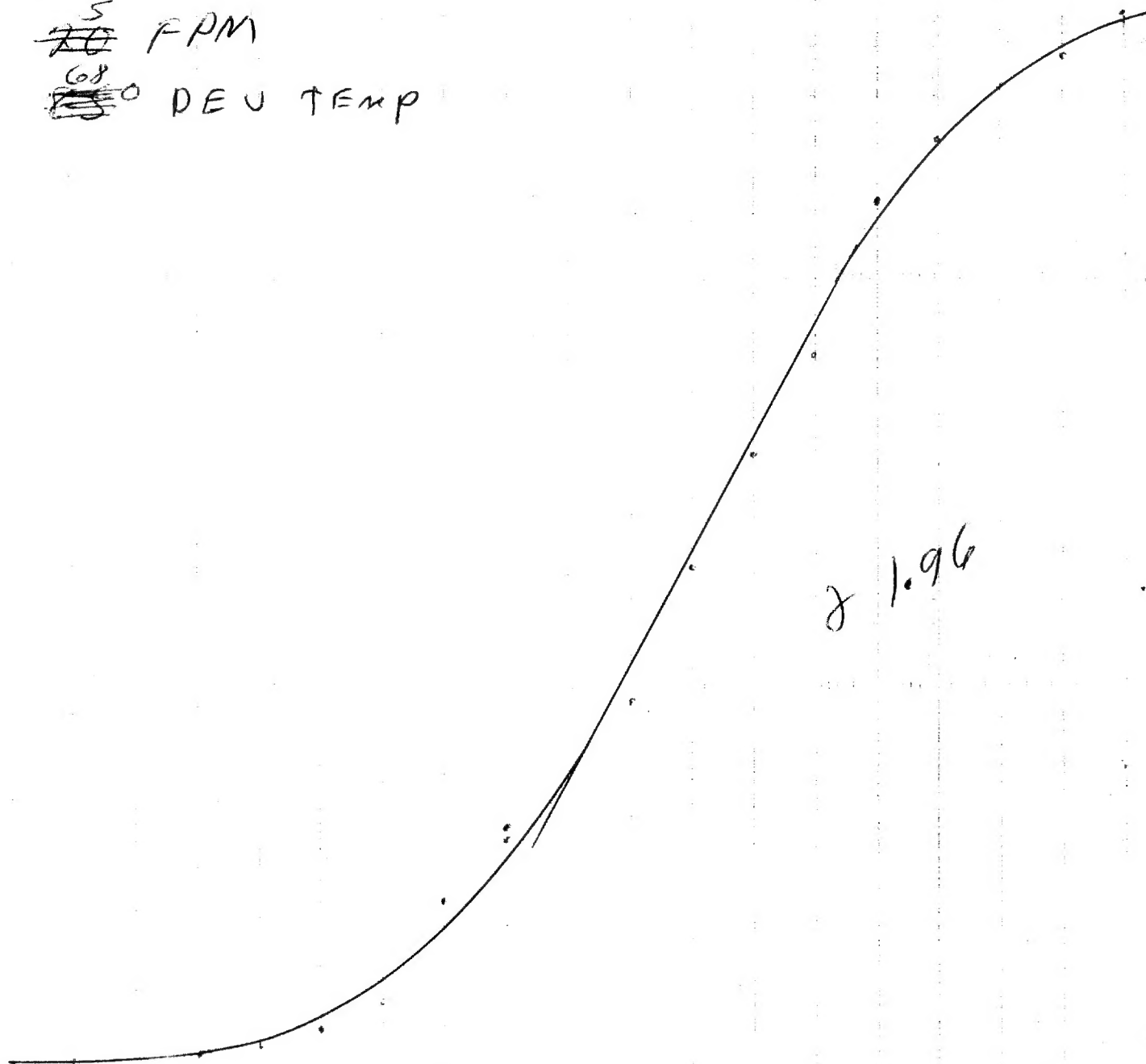
.85 AMP

.10 ND

D-19 DEU

~~20~~⁵ FPM

~~68~~⁵⁰ DEU TEMP



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50-8402

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M161

HTA/S

0130

.2

2 NOV 63

STATOTHR

2 NOV 63

.85 AMP

D-19 DEV

.10 ND

~~5~~ FPM

~~68°~~

DEV. TEMP.

5 FPM
~~20 FPM~~
 $\delta = 2.80$

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STATOTHR

D-19 DEVELOPER 2400 h 2 Nov To 1200h 3 Nov

QC				
8402 = 0130 Strip # 13.47	278 - 0130 Strip # 2.66	8402 = 0230 Strip # 23.30	278 = 0230 Strip # 42.70	Strip # 5
3.46	2.56	3.20	2.60	.
3.43	2.46	3.00	2.40	.
3.23	2.35	2.70	2.36	.
3.03	2.20	2.10	2.20	.
2.51	1.82	1.96	2.02	.
2.05	1.57	1.60	1.80	.
1.65	1.30	1.12	1.60	.
1.30	.97	.86	1.30	.
.98	.78	.60	.98	.
.68	.63	.42	.70	.
.34	.47	.30	.52	.
.33	.23	.22	.30	.
.20	.16	.19	.20	.
.18	.11	.18	.12	.
.18	.10	.17	.10	.
.12	.09	.15	.10	.
.11	.08	.15	.10	.
.10	.08	.14	.10	.
.10	.08	.14	.10	.
.10	.08	.13	.10	.

BEST COPY

AVAILABLE

2 NOV 63

11/11/63

11/11/63

11/11/63

11/11/63

11/11/63

11/11/63

11/11/63

11/11/63

11/11/63

11/11/63

11/11/63

FIAND, 10-85-20
IN HTA - 5 - 0-19 502
2 NOV 63
STHTIC C HEC

50-8402

1/NOV

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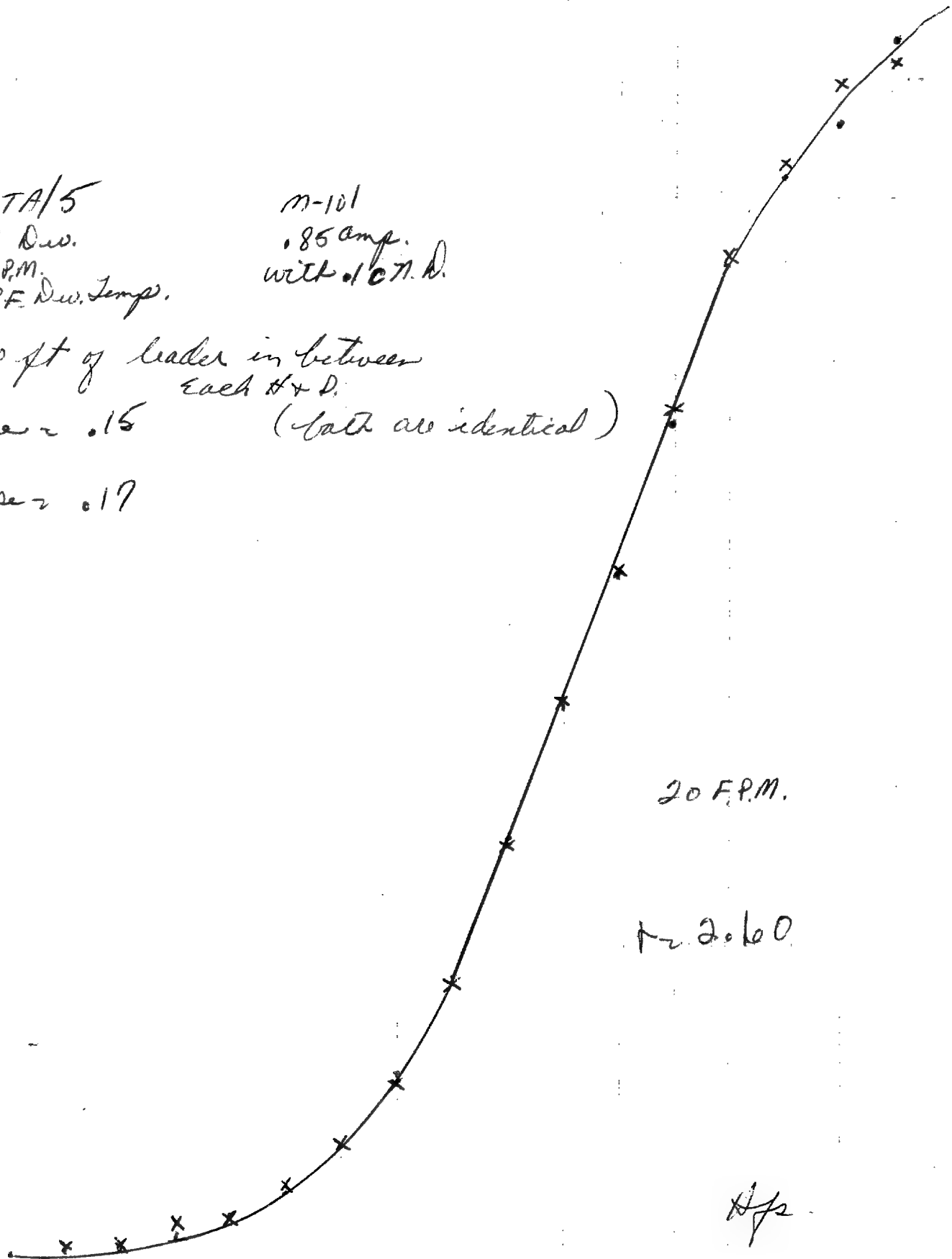
HTA/5
D-19 Div.
20 F.P.M.
85°F Div. Temp.

M-101
.85 amp.
with .107 N.D.

300 ft of leader in between
Each H & D.

Base ~ .15 (both are identical)

Base ~ .17



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LOG E

S.O. 278

M-101

.85 amp.

.107% D.

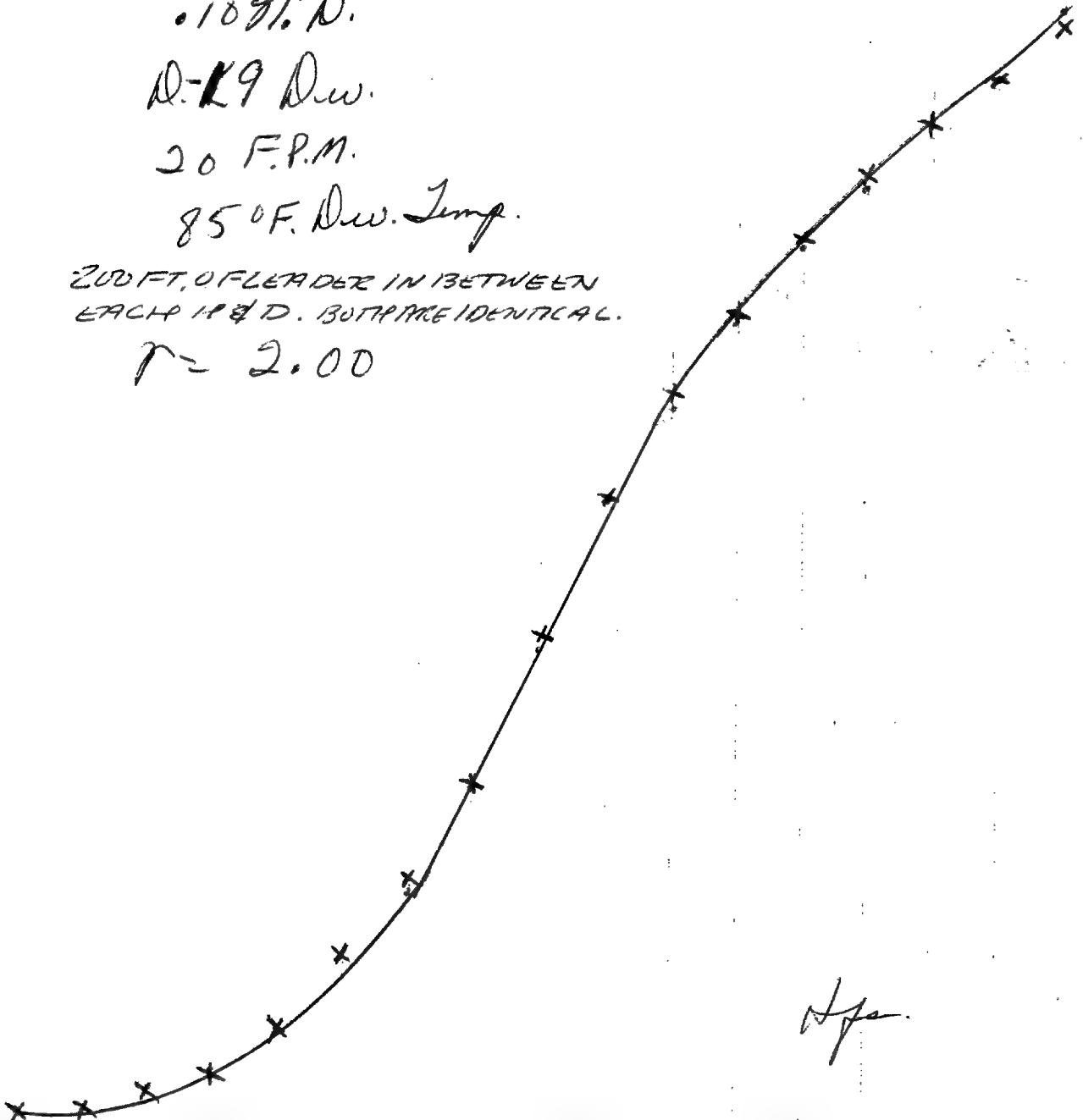
D-K9 Dw.

20 F.P.M.

85°F. Dw. Temp.

200 FT. OF LEADER IN BETWEEN
EACH 1/4 D. BOTH ARE IDENTICAL.

$r = 2.00$



D-19 DEVELOPER 1200 hrs To 2400 1 Nov
STATZER QC

279 = 2400 8402 = 2400				
Strip #1	Strip #2	Strip #3	Strip #4	Strip #5
2.52	3.26	.	.	.
2.40	3.12	.	.	.
2.25	2.88	.	.	.
2.12	2.43	.	.	.
1.97	2.02	.	.	.
1.75	1.64	.	.	.
1.53	1.30	.	.	.
1.18	.90	.	.	.
.86	.65	.	.	.
.60	.44	.	.	.
.45	.32	.	.	.
.25	.24	.	.	.
.18	.20	.	.	.
.12	.16	.	.	.
.09	.15	.	.	.
.09	.14	.	.	.
.09	.14	.	.	.
.09	.14	.	.	.
.09	.14	.	.	.
.09	.14	.	.	.

Oct 30

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HTA/5

M-101

.85 amp.

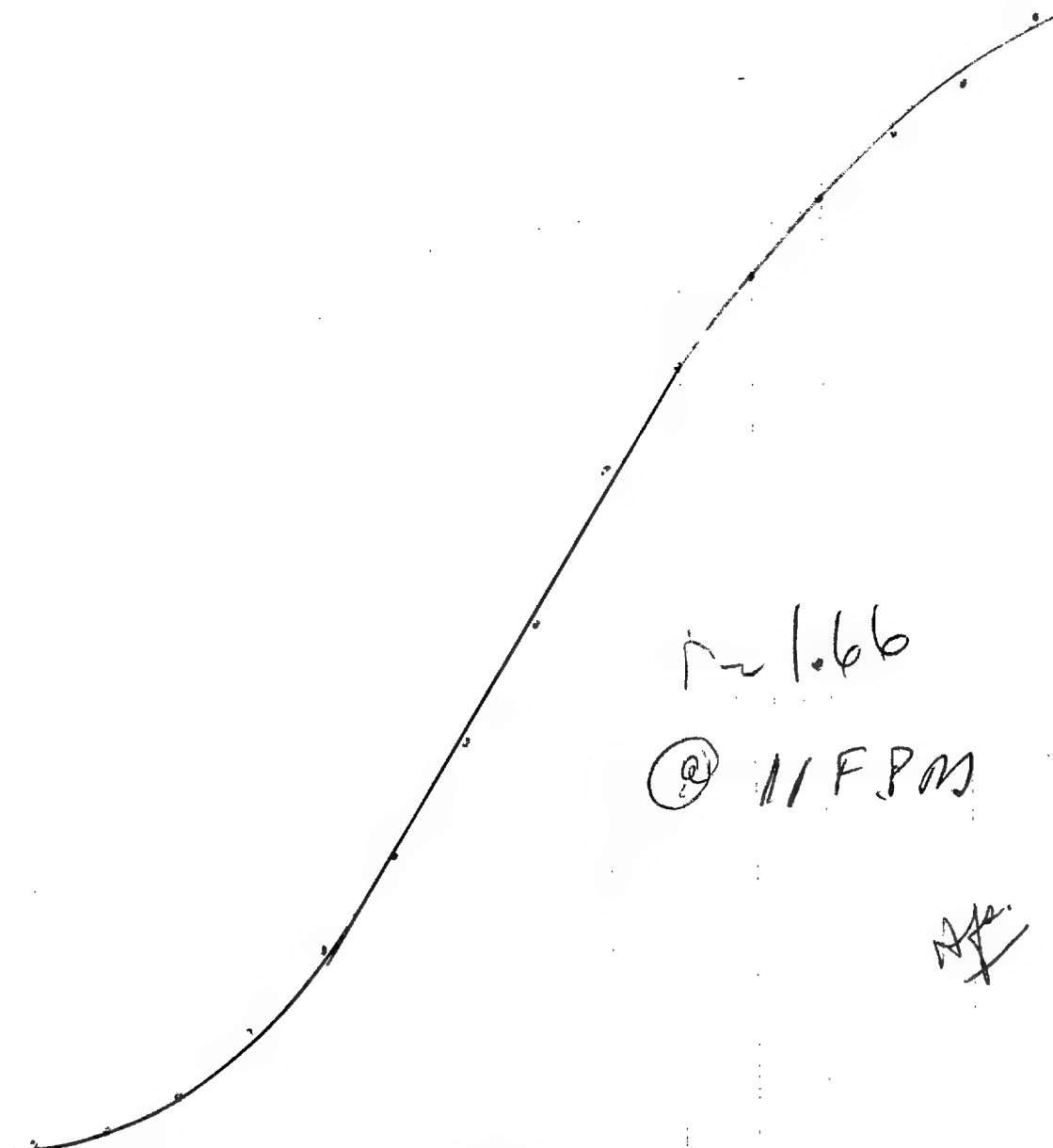
1/5 sec.

— 10 M.D.

SO 278

75°F Duv Temp.

OK-50



$r \approx 1.66$

① 11 FPM

APR

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[illegible]

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30041

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HTA/5

n-101

.85 amp

1/5 sec

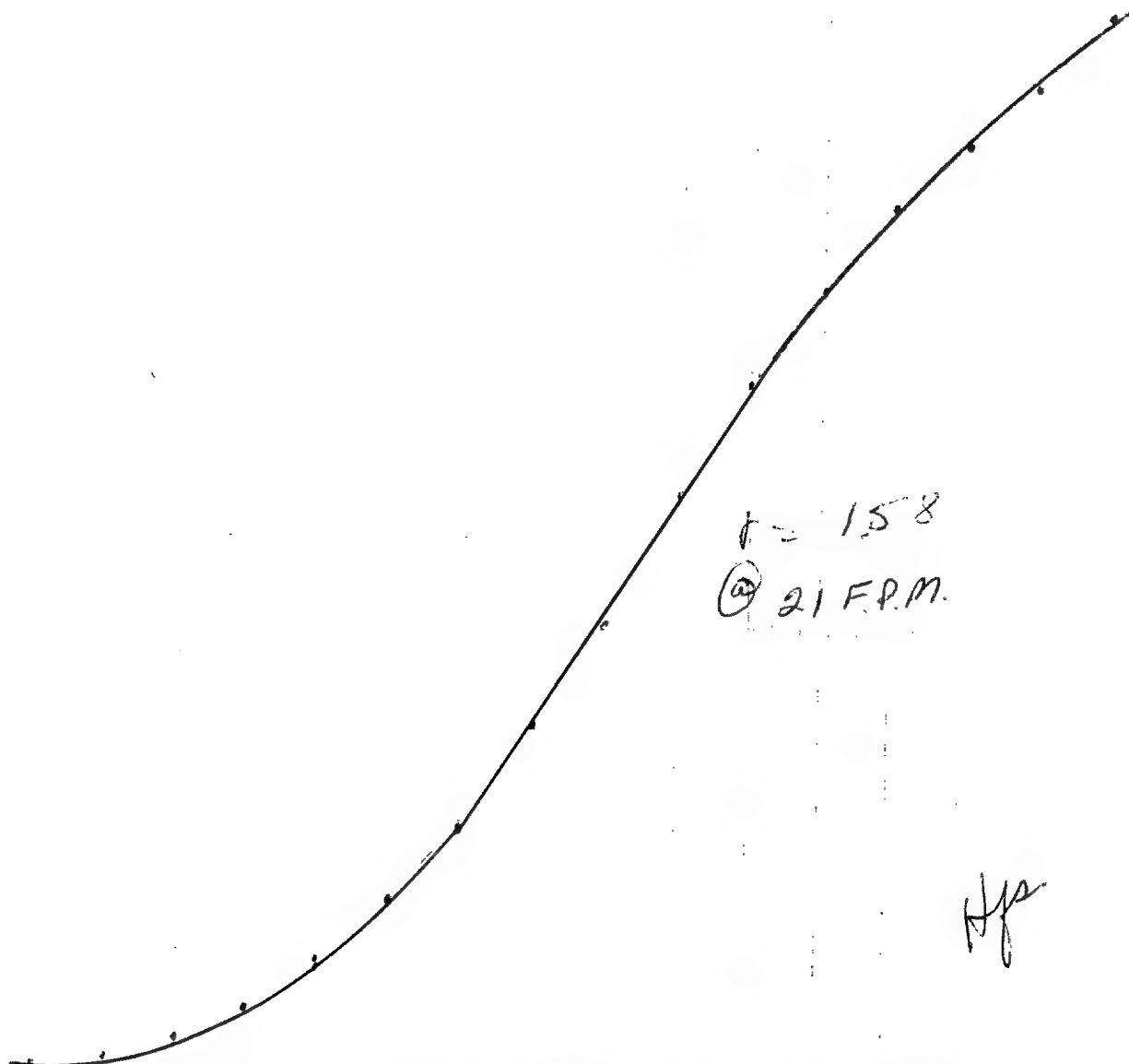
— .1077.0.

75° Dew Temp.

S.O. 278

A.K. 50

21 F.P.M.



t = 158
@ 21 F.P.M.

Hys

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17TA/5

m-101

.85 Amp.

1/5 sec

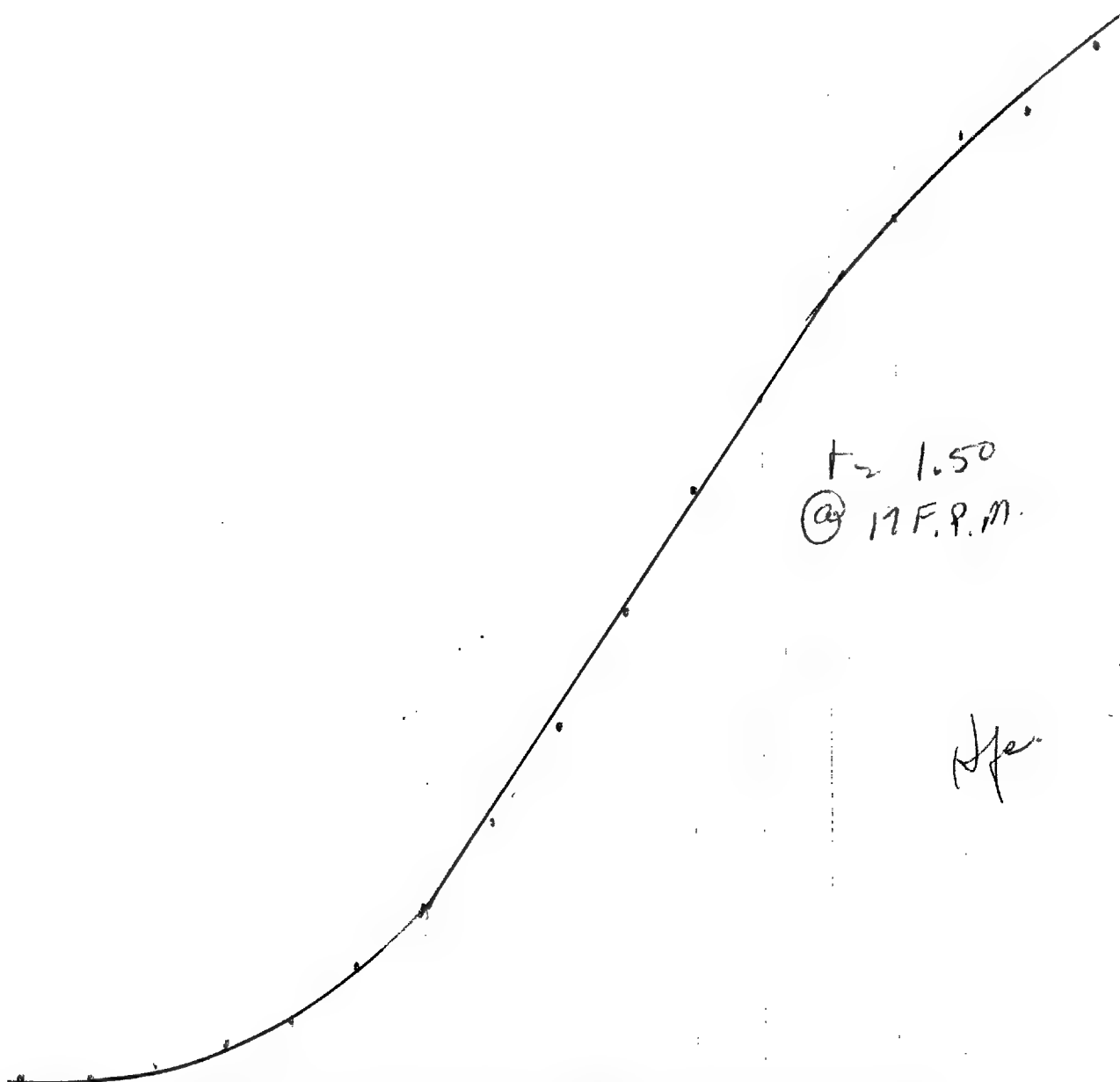
— .1077 D.

75° Dec. Imp.

S.O. 279

D.K.-50

17 F.P.M.



$t = 1.50$
③ 17 F.P.M.

Hfe

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30 Oct

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M-101

85 Amp.

1/5 sec

— 1077.0.

75° Dew. Temp.

S.O. 278

D. K-50

13 FPM

F- 1.55

© 13 F.P.M.

Hyp.

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	Strip #1	Strip #2	Strip #3	Average Strip #4	Strip #5
1	2.35	2.38	2.40	2.38	.
2	2.24	2.26	2.28	2.26	.
3	2.14	2.14	2.18	2.16	.
4	2.00	2.00	2.02	2.01	.
5	1.85	1.85	1.88	1.86	.
6	1.68	1.66	1.65	1.66	.
7	1.48	1.46	1.48	1.48	.
8	1.18	1.19	1.15	1.18	.
9	.90	.92	.95	.92	.
10	.70	.69	.68	.69	.
11	.50	.50	.50	.50	.
12	.34	.34	.35	.34	.
13	.24	.22	.23	.23	.
14	.14	.13	.14	.14	.
15	.10	.10	.10	.10	.
16	.08	.07	.08	.08	.
17	.06	.05	.06	.06	.
18
19
20
21
22
23
24
25

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HTA/5

m-101

. 25 amp.

1/5 sec

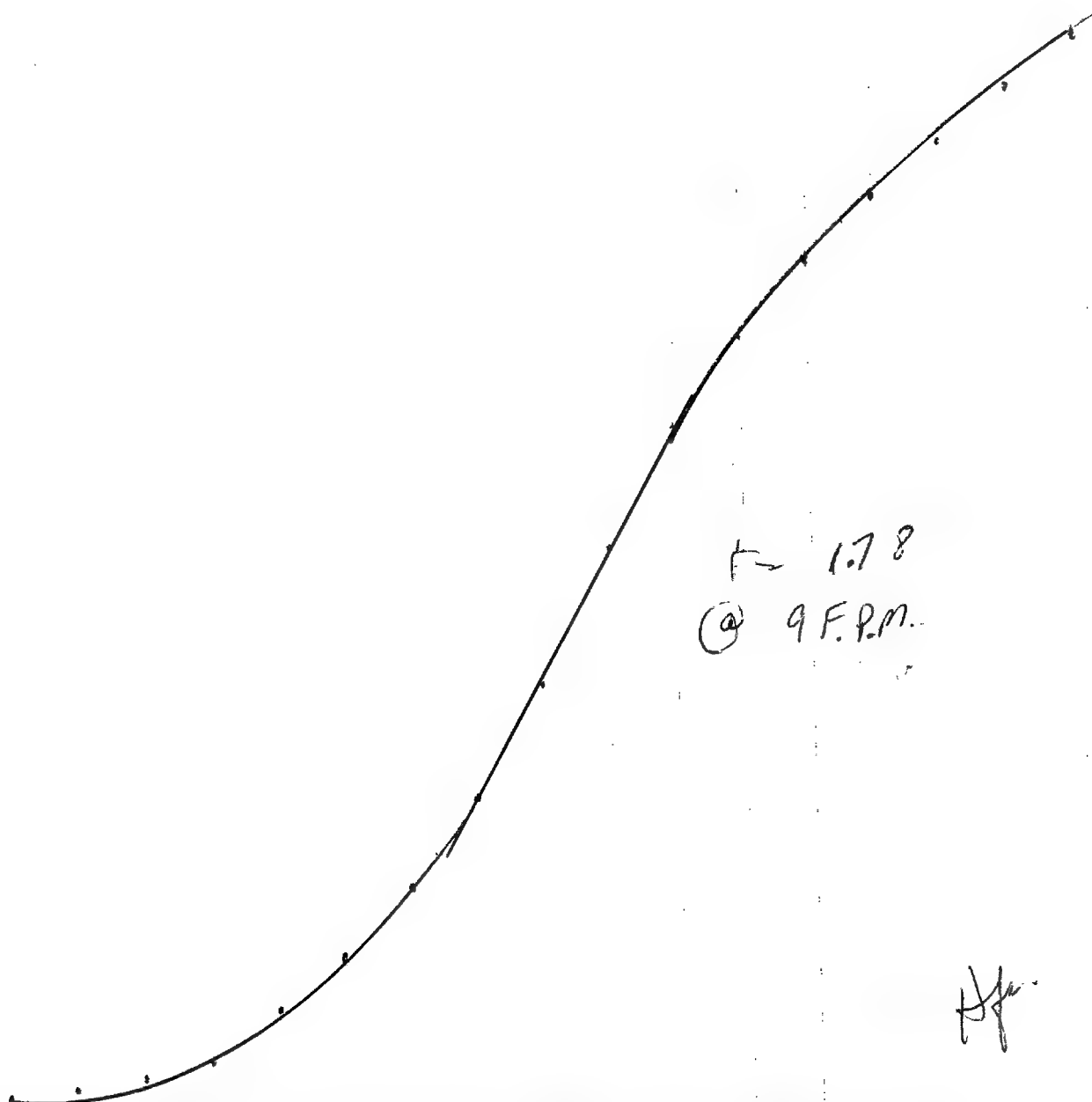
. 1077.10.

75° Dri. Temp.

S. O. 278

D. K. 50

9 F.P.M.



$t = 1.78$
@ 9 F.P.M.

Hg

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Strip #1	Strip #2	Strip #3	Average Strip #4	Strip #5
2.38	2.37	2.46	2.42	
2.28	2.30	2.31	2.31	
2.18	2.18	2.22	2.19	
2.06	2.05	2.11	2.07	
1.91	1.92	1.95	1.92	
1.74	1.75	1.77	1.76	
1.55	1.55	1.58	1.56	
1.28	1.29	1.29	1.29	
.98	.98	.98	.98	
.72	.72	.72	.72	
.53	.52	.52	.53	
.36	.37	.38	.37	
.24	.25	.25	.25	
.14	.12	.16	.14	
.10	.09	.11	.10	
.08	.07	.08	.08	
.05	.06	.06	.06	

HIA/5

m-101

.85 amp.

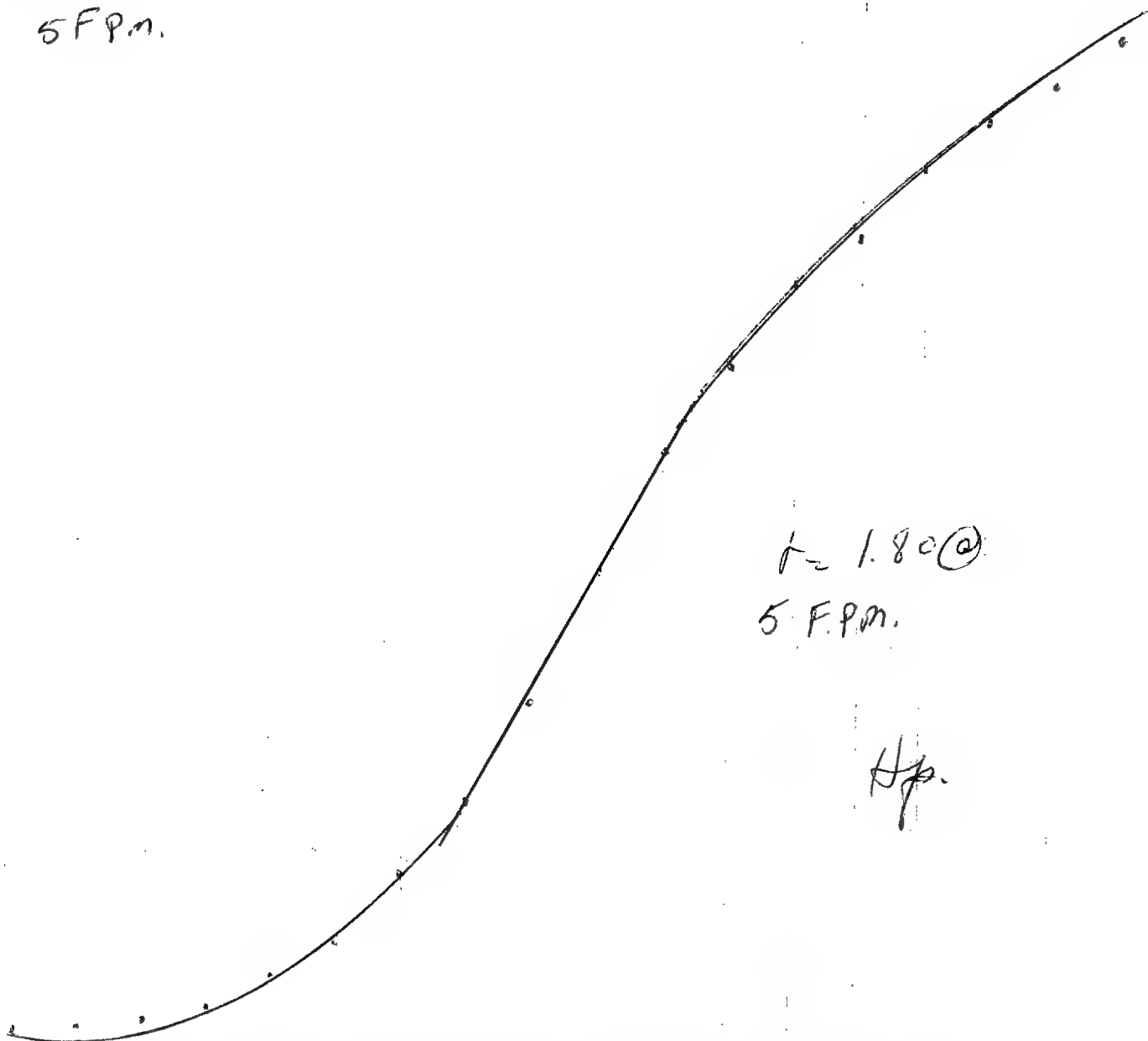
1/5 sec.

— .1071.D.

95° Duv. Temp.
S.G. 278

A.K-50

5 F.P.M.



$t = 1.80 @$
5 F.P.M.

Hp.

	Strip # 244	Strip # 247	Strip # 245	Average Strip # 1245	Strip # 5
1	2.33	2.35	2.36	2.35	
2	2.20	2.22	2.28	2.25	
3	2.14	2.14	2.14	2.15	
4	1.96	2.02	2.02	1.98	
5	1.85	1.86	1.88	1.87	
6	1.66	1.66	1.68	1.67	
7	1.58	1.48			
8	1.46	1.48	1.44	1.46	
9	1.19	1.18	1.16	1.18	
10	.89	.87	.85	.87	
11	.62	.64	.62	.63	
12	.46	.46	.46	.46	
13	.30	.28	.29	.29	
14	.21	.22	.21	.21	
15	.13	.14	.13	.13	
16	.10	.10	.11	.10	
17	.07	.08	.08	.08	
18	.06	.07	.07	.07	
19					
20					
21					

29 Oct.

HTA/S

nt-10

85 Amp

1/5 sec

— 40 N.P.

5427

DK-50

75° DEV. TEMP

t = 2.10

@ 15 FPM

Hpr.

15 FPM

5427

DK-50

	Strip #1	Strip #2	Strip #3	Strip #4	Strip #5
1	3.82	3.84	3.82	3.83	
2	3.62	3.64	3.58	3.62	
3	3.42	3.44	3.40	3.42	
4	3.22	3.24	3.18	3.22	
5	3.02	3.02	2.98	3.02	
6	2.60	2.64	2.61	2.63	
7	2.28	2.31	2.28	2.29	
8	2.00	2.01	1.99	2.00	
9	1.70	1.71	1.68	1.70	
10	1.40	1.41	1.38	1.40	
11	1.06	1.10	1.06	1.08	
12	.78	.83	.82	.79	
13	.60	.63	.62	.62	
14	.42	.40	.43	.43	
15	.32	.32	.31	.32	
16	.22	.22	.21	.22	
17	.16	.16	.14	.16	
18	.10	.10	.10	.10	
19	.08	.08	.08	.08	
20	.06	.06	.06	.06	
21	.06	.06	.06	.06	

29 Oct.

HIP/S

m-101

.85 amp.

1/5 Sec

.407 D.

54 27 Emulsion

D.K-50 Dev.

75° Dev. Temp.

$r = 1.90$

① 17 F.P.M.

Hys.

750 D.T.

5427
OK-50

	Strip #1	Strip #2	Strip #3	Strip #4	Strip #5
1	3.72	3.64	3.64	3.65	
2	3.52	3.42	3.50	3.49	
3	3.34	3.22	3.32	3.28	
4	3.12	3.04	3.10	3.08	
5	2.85	2.72	2.84	2.78	
6	2.52	2.42	2.48	2.46	
7	2.22	2.16	2.18	2.18	
8	1.92	1.88	1.88	1.89	
9	1.66	1.62	1.62	1.63	
10	1.38	1.32	1.30	1.33	
11	1.14	1.12	1.10	1.12	
12	.78	.78	.77	.78	
13	.60	.58	.57	.58	
14	.44	.44	.43	.44	
15	.32	.32	.30	.32	
16	.22	.21	.21	.22	
17	.17	.18	.18	.18	
18	.11	.10	.10	.10	
19	.08	.09	.08	.08	
base	.06	.06	.06	.06	

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HTH/5

m-10

1.85 Amp.

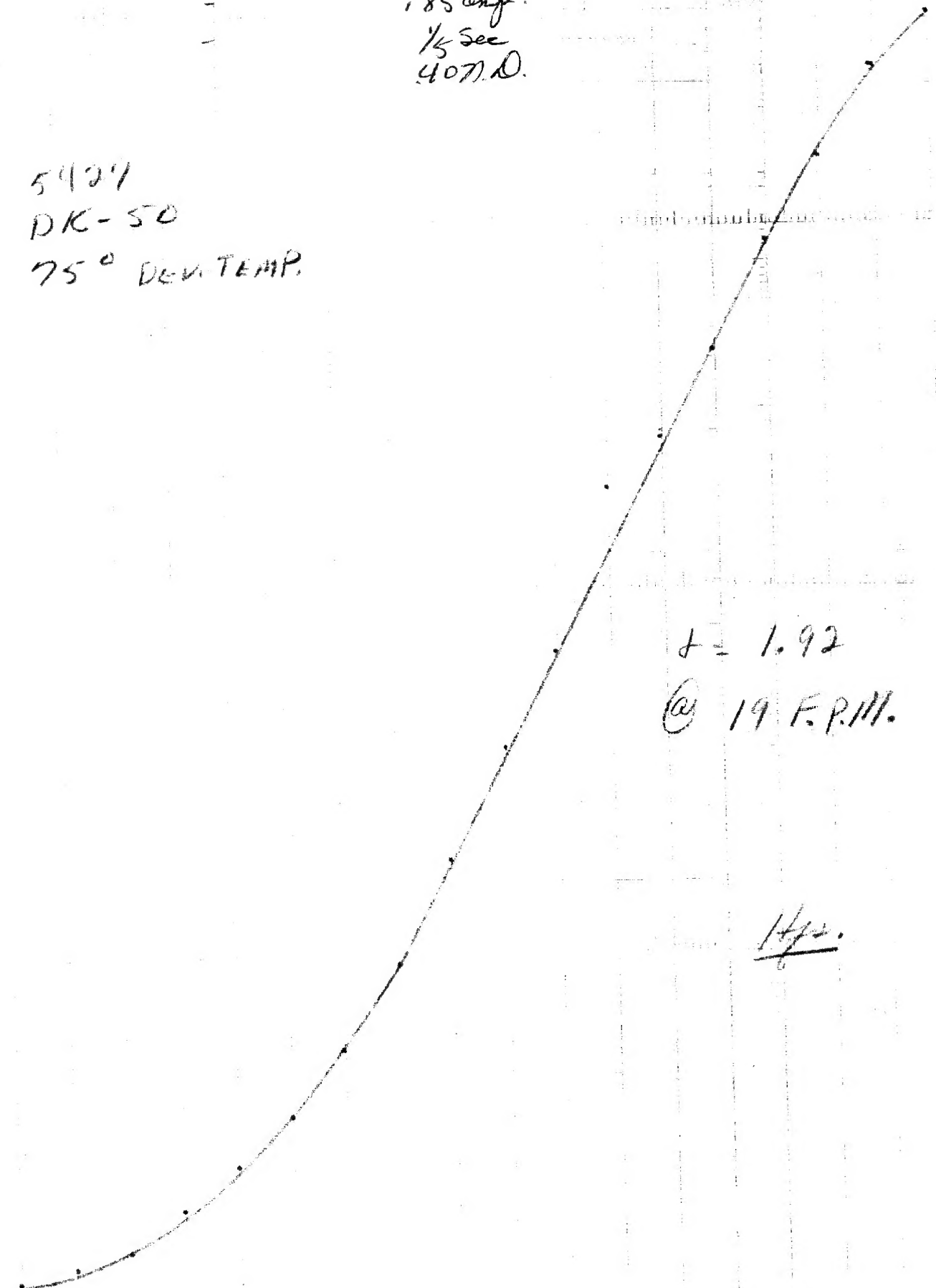
1/5 Sec

407.0.

5427

DK-50

75° DEV. TEMP.



t = 1.92

@ 19 F.P.M.

14.2.

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19 FPM DK-50

750 D.T.

	Strip #1	Strip #2	Strip #3	Strip #4	Strip #5
1	3.56	3.62	3.55	3.58	
2	3.41	3.45	3.40	3.43	
3	3.20	3.22	3.15	3.19	
4	3.02	3.02	2.92	2.96	
5	2.72	2.64	2.62	2.66	
6	2.40	2.42	2.41	2.42	
7	2.30	2.28	2.32	2.28	
8	1.82	1.85	1.80	1.83	
9	1.56	1.58	1.56	1.57	
10	1.28	1.26	1.24	1.26	
11	.98	.98	.97	.98	
12	.74	.74	.73	.74	
13	.56	.57	.56	.56	
14	.42	.42	.42	.42	
15	.30	.31	.30	.30	
16	.18	.19	.20	.19	
17	.14	.15	.13	.14	
18	.10	.11	.10	.10	
19					
20					
21					
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30					